



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Rosana Kapeller-Libermann, *et al.*

Serial No.: 09/935,290

Filed: August 21, 2001

For: 56919, A Novel Human Acyltransferase
And Uses Thereof

Attorney Docket No.: MNI-186

Group Art Unit: 1645

Examiner: Not Yet Assigned

COPY OF PAPERS
ORIGINALLY FILEDPRELIMINARY AMENDMENT

Dear Sir:

Prior to examination of the above-identified application, please amend the application as follows:

In the Specification:

Please replace the title appearing at pages 1 and 93 with the following title:

56919, A NOVEL HUMAN ACYLTRANSFERASE AND USES THEREOF

Please replace the paragraph beginning at page 4, line 22, with the following rewritten paragraph:

Figure 1A-E depicts the nucleotide sequence of the human ACTR-1 cDNA and the corresponding amino acid sequence. The nucleotide sequence corresponds to nucleic acids 1 to 3003 of SEQ ID NO:1. The amino acid sequence corresponds to amino acids 828 of SEQ ID NO:2. The coding region without the 5' or 3' untranslated regions of the human ACTR-1 gene is shown in SEQ ID NO:3.

Please replace the paragraph beginning at page 4, line 29, with the following rewritten paragraph:

Figure 3A-B depicts the results of a search which was performed against the HMM database and which resulted in the identification of an “acyltransferase domain” in the human ACTR-1 protein (SEQ ID NO:2).

Please replace the paragraph beginning at page 4, line 32, with the following rewritten paragraph:

Figure 4A-H depicts the results of a search which was performed against the ProDom database and which resulted in the local alignment of the human ACTR-1 protein with acyltransferase proteins.

Please replace the paragraph beginning at page 5, line 8, with the following rewritten paragraph:

Figure 7A-D is a graph depicting the relative expression of ATCR-1 in various human tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.

Please replace the paragraph beginning at page 5, line 11, with the following rewritten paragraph:

Figure 8A-D is a graph depicting the relative expression of ATCR-1 in various human tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.

Please replace the paragraph beginning at page 5, line 14, with the following rewritten paragraph:

Figure 9A-B is a graph depicting the relative expression of ATCR-1 various liver, heart and adipose tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.

REMARKS

Applicants have amended the specification such that the "Brief Description of the Drawings" accurately describes the panels of the Formal Drawings submitted herewith. Appendix A sets forth a "**Version with Markings to Show Changes Made**". Applicants have also amended the title. *No new matter has been added.*

Certificate of First Class Mailing (37 CFR 1.8(a))

I hereby certify that this transmittal letter and the papers referred to as being enclosed therein are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box Missing Parts, Commissioner of Patent, Washington, D.C. 20231

on:

December 4, 2001

Date

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Agent for Applicants

APPENDIX A
VERSION WITH MARKINGS TO SHOW CHANGES MADE

The title appearing at pages 1 and 93 has been replaced with the following title:
[ATCR-1] 56919, A NOVEL HUMAN ACYLTRANSFERASE AND USES THEREOF

The paragraph beginning at page 4, line 22, has been replaced with the following rewritten paragraph:

Figure [1A-C] 1A-E depicts the nucleotide sequence of the human ACTR-1 cDNA and the corresponding amino acid sequence. The nucleotide sequence corresponds to nucleic acids 1 to 3003 of SEQ ID NO:1. The amino acid sequence corresponds to amino acids 828 of SEQ ID NO:2. The coding region without the 5' or 3' untranslated regions of the human ACTR-1 gene is shown in SEQ ID NO:3.

The paragraph beginning at page 4, line 29, has been replaced with the following rewritten paragraph:

Figure 3A-B depicts the results of a search which was performed against the HMM database and which resulted in the identification of an "acyltransferase domain" in the human ACTR-1 protein (SEQ ID NO:2).

The paragraph beginning at page 4, line 32, has been replaced with the following rewritten paragraph:

Figure [4A-G] 4A-H depicts the results of a search which was performed against the ProDom database and which resulted in the local alignment of the human ACTR-1 protein with acyltransferase proteins.

The paragraph beginning at page 5, line 8, has been replaced with the following rewritten paragraph:

Figure [7] 7A-D is a graph depicting the relative expression of ATCR-1 in various human tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.

The paragraph beginning at page 5, line 11, has been replaced with the following rewritten paragraph:

Figure [8] 8A-D is a graph depicting the relative expression of ATCR-1 in various human tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.

The paragraph beginning at page 5, line 14, has been replaced with the following rewritten paragraph:

Figure [9] 9A-B is a graph depicting the relative expression of ATCR-1 various liver, heart and adipose tissues as determined by a TaqMan® Quantitative Polymerase Chain Reaction analysis.